Dual Graphic Adaptor
Model-TM6310

User's Manual

It will also be switched to CGA card but in 80 by 25 text mode if you type

MODE CO80

Mode switching may generate some garbage characters in screen. Type CLS command to clear screen.

7. Auto-screen-blank

This function is designed to increase the life time of the monitor. If TM6310A is not accessed (CPU has not read data from or written data to the chip), after about 8 minutes, it will disable screen (blank) automatically.

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Trademark Acknowledgements

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Note 1: If you select the Auto-switching mode, the setting of JP3 will be ignored.
Note 2: PC/AT contents a Real Time Clock (MC146818), it stores the display mode you have set before. Thus, in order to illumination the unnecesssry warning message at power on, make sure that both motherboard setting and system setup are in correct and consistent setting.

6. Software Switching

TM6310A can switch between different display modes (CGA or Hercules) by DOS MODE command when JP4 is OFF. TM6310A will be switched to Monochrome card if you type

MODE MONO

It will be switched to CGA card and in 40 by 25 text mode if you type

MODE CO40

- Reverse pin CGA

JP8	ON	Disable
	OFF	Enable

- CGA CG font selection

JP9	ON	7 by 7 font
	OFF	5 by 7 font

B. Connectors

J3	Light Pen connector
J4, J5	Composite video signals output

5. Auto-switching

This function is used for automatical setup of display card during boot procedure. When power on, BIOS will do consistent check between the display card setting on motherboard and the display card used on slot. If the setting is inconistent with the actual display card, a warning message will be issued. In Auto-switching mode, TM6310A will be set to the correct display type according to the motherboard setting.

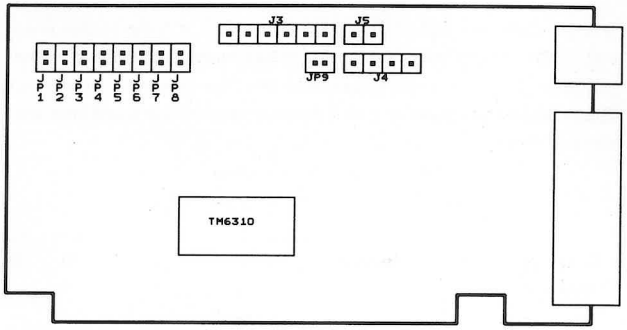
1. General Description

Welcome to your TM6310A card. This card is fully compatible with IBM Color Graphic Display Adapter, Monochrome Display Adapter. It also support Hercules Display Adapter function. Moreover, Auto-switching and Auto-screen-blank functions are also provided.

2. Features

- Fully compatible with Hercules, MDA & CGA.
- Support both software and hardware switching.
- Provide Color Emulation on MDA monitor.
- Support composite NTSC standard.
- Support Light Pen interface in both Hecules and CGA mode.
- Support Game port.
- Support Printer Port.
- Auto-screen-blank function (8 minutes).
- Auto-switching in boot procedure.
- Support software switching on DOS MODE command.

3. Layout



4. Jumpers and Connectors Description

A. Jumpers

- Printer port select

JP1	JP2	I/O PORTS	PORT CONFIGURATION
OFF	ON	HEX 3BC	LPT1
ON	OFF	HEX 378	LPT2
OFF	OFF	HEX 278	LPT3
ON	ON		Disable

- Hercules or CGA selection

JP3	ON	CGA
	OFF	Hercules

- Auto-switching mode

JP4	ON	Disable
	OFF	Enable

- Character generator selection

JP5	ON	2307 CG ROM
	OFF	Dual CG ROM

- Auto-screen-blank mode

JP6	ON	Disable
	OFF	Enable

- Color emulation mode

JP7	ON	Disable
	OFF	Enable